

ABSTRACT

A solid electrolyte of the present invention is represented by a general formula: $\text{Li}_a\text{P}_b\text{M}_c\text{O}_d\text{N}_e$, where M is at least one element selected from the group consisting of Si, B, Ge, Al, C, Ga and S, and a, b, c, d and e respectively satisfy $a = 0.62$ to 4.98 , $b = 0.01$ to 0.99 , $c = 0.01$ to 0.99 , $d = 1.070$ to 3.985 , $e = 0.01$ to 0.50 , and $b+c = 1.0$. The solid electrolyte hardly deteriorates in a wet atmosphere.